

FIG. 1

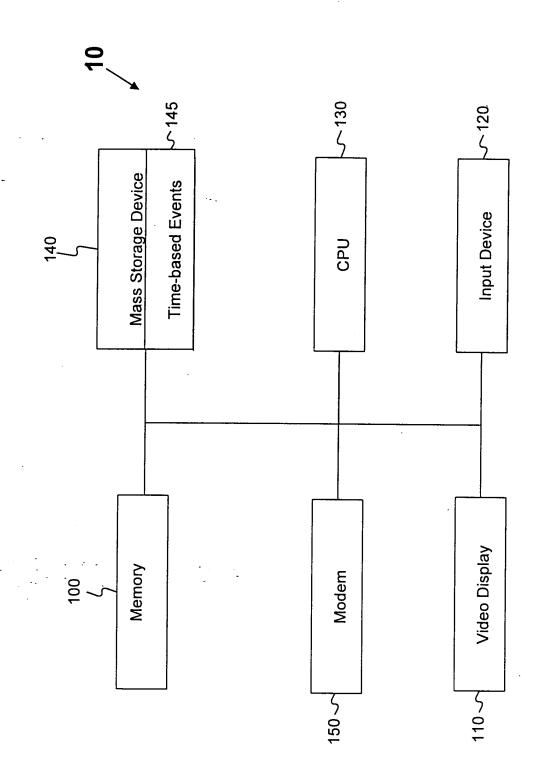


FIG. 2

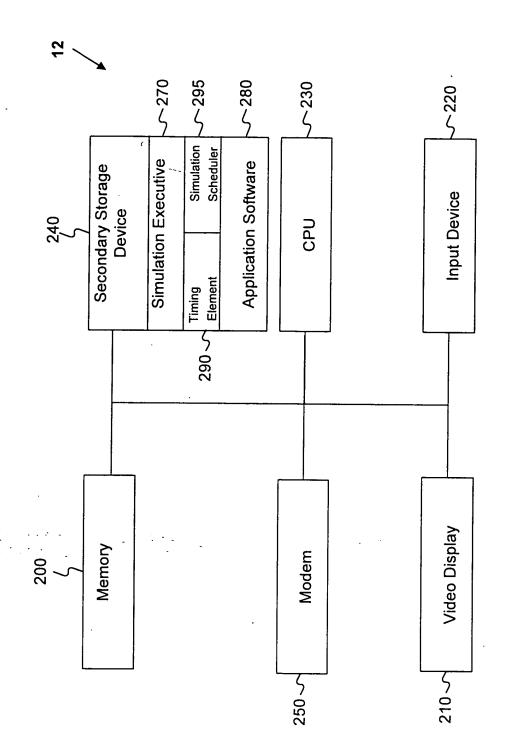


FIG. 3

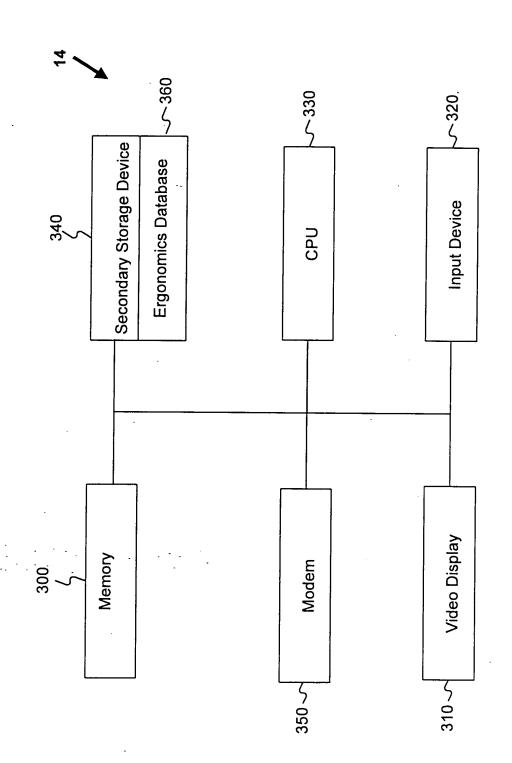


FIG. 4

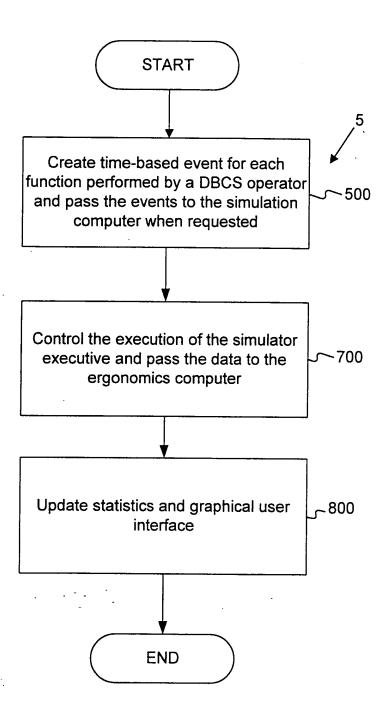


Fig. 5

## EAI Jack Task Anthology Five-Hour Shift Report - Metabolic Energy Expenditure

## USPS DBCS SWEEPER Job #3287

Parameters Level 2 Tray Lift Female, 5'0", 125 lbs Duration = 302.89 min Work time <= 8 hr Units = inches, kilograms

Arm Work = 30% Body Work = 70% Standing = 93%, Bent = 7%

Task Descriptions

600 620 630 610

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Tock#		Description	Frequency	Category	Detail	High Pos (m)	Low Pos (m)	Load (kg)	Time (min)	Force (kg)	Walk-speed(m/s)	Distance (m)	Slope(%)
10			158	walks	inclined	-	-	-	0.00425	-	-	13.78	0
20			160	lifts	stoop	28.65	62.5	0		-	-	-	-
30		<del></del>		arm work - lateral	90 deg. standing	-	-	0	-	•	-	-	
40		10.	160	arm work - lateral	90 deg. stænding	-	-	0	-	•	-	-	-
50				arm work - lateral	90 deg. standing	-	-	0	-	-	-		-
60	5.296	release drawer	160	arm work - lateral	90 deg. stænding	-	-	0	-	•	-	-	
70			160	arm work - lateral	180 deg. both hands	-	-	0	-	•	-	-	-
80			160	arm work - lateral	90 deg. stænding	-	-	0	-		-	-	-
90	7.314		160	arm work - lateral	90 deg. standing	-	-	2	-	•	-	-	-
100	4.800	move letters to 1226 F rack	160	arm work - general	light - both arms	-	-	-	0.25	•	-	-	-
110	5.296	place letters in letter tray	160	arm work - lateral	90 deg. stænding	-	-	0	-	-	-	•	-
120	5.317	stand straight	160	lowers	stoop	28.65	50.0	0	•	•	-	-	-
130	0.358	raise arms	17	lifts	stoop	27.72	33.29	0		-	-	-	-
140	0.563	grasp tray	17	arm work - lateral	90 deg. standing	-	-	0	-		-	-	-
150	0.000	pull tray out	17	pushes/pulls	bench height (31.5 in)	-	-	-	-	22	-	16.87	-
160	3.420	lift tray	17	lifts	semi-squat	29.38	51.51	11.34	-	-	-	-	-
170	2.465	place tray	17	arm work - lateral	180 deg. both hands	-	-	11.34	•	•	-	-	•
180	0.000	push tray in	17	pushes/pulls	chin height (59 in)	-	-	-	-	22	-	14.49	-
190	0.000	release tray	17	arm work - lateral	180 deg. standing	-	-	0	-	•	-	-	-
200	0.795	stand straight	17	lo wers	stoop	27.85	59.29	0	-		-	-	-
210	0.147	raise arms	7	lifts	stoop	27.72	33.29	0	-	•	-	-	-
220		grasp tray	7	arm work - lateral	90 deg. standing	-		0	-	-	-	-	-
230		pull tray out	7	pushes/pulls	bench height (31 5 in)	-	•	•	-	22	-	16.87	-
240	1.408	lift tray	7	lifts	semi-squat	29.38	51.51	11.34	-	-	-	-	-
250		place tray	7	arm work - lateral	180 deg. both hands	-	-	11.34	-				-
260		push tray in	7	pushes/pulls	chin height (59 in)	-	-	-	-	22	-	14.49	
270		release tray	7	arm work - lateral	180 deg. standing	-	-	0	-	-	-	•	-
280		stand straight	7	lowers	stoop	27.85	59.29	0	-	•	•	-	-
290		raise arms	177	lifts	stoop	28.65	62.5	0	-	-	-	-	-
300		reach to drawer	177	arm work - lateral	90 deg. standing	-	-	0	-	-	-	-	-
310	5.859	grasp drawer	177	arm work - lateral	90 deg. standing	-	•	0	-	- 1	-	-	-
320		pull drawer out	177	arm work - lateral	90 deg. stænding	•	-	0	-	-	-	-	-
330	5.859	release drawer	177	arm work - lateral	90 deg. standing	-	-	0	-	-	-	- 1	-
				-									

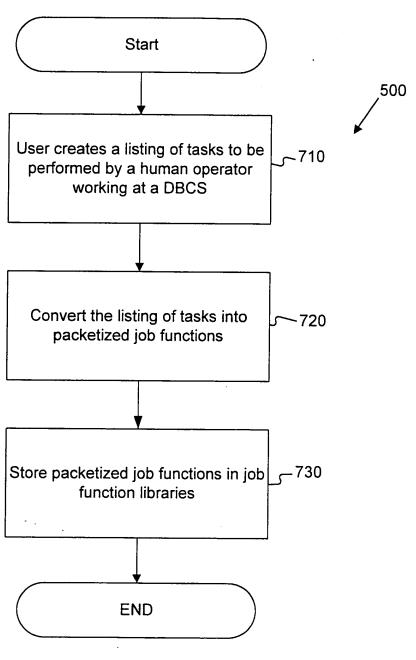


Fig. 7

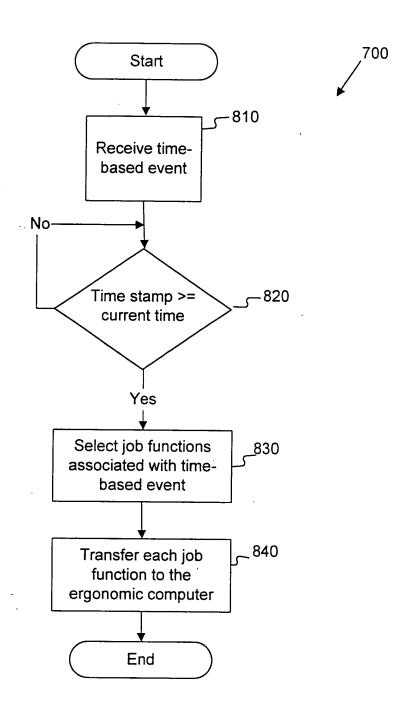


Fig. 8

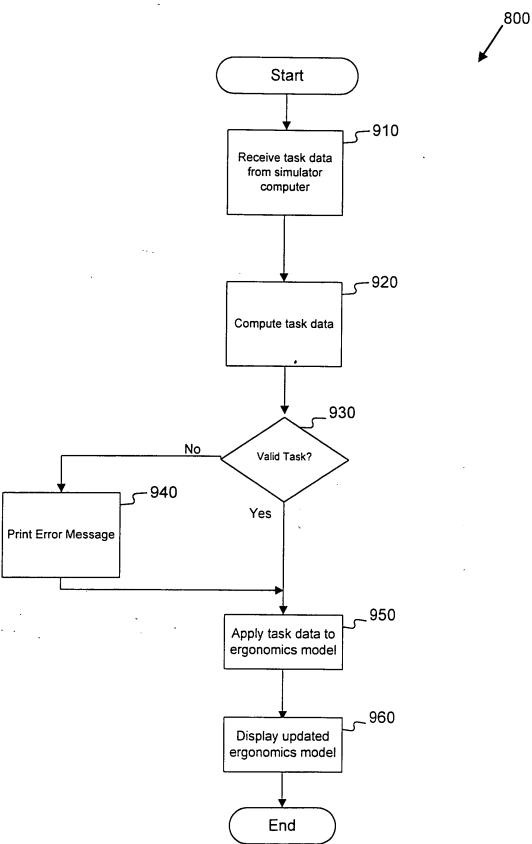


Fig. 9